

# V-Groove Wheels



Capacity up to 6000 lbs each



V-Groove wheels are for track or floor operation on inverted angle iron track in production lines. They are also used with hand or conveyor trucks.

V-Groove surface and face are machine finished. These wheels handle loads from 800 to 6,000 lbs. per wheel.

Designed for floor operation, or for track mounted flush or on top of floors, the wheel gives greater flexibility and better use of available floor space. Curves and switches may be used in track operation. Wheels are cast with reinforced section at maximum stress points. The type of track layout and casters are dependent upon floor conditions, area, distance and load. Consult your local Colson representative for advice on the proper caster for the most economic and efficient handling of your particular application.

**Temperature range:** -45°F to +180°F. If metal washers specified: -45°F to +500°F (Roller bearing only).

**Finish:** Green alkyd enamel.

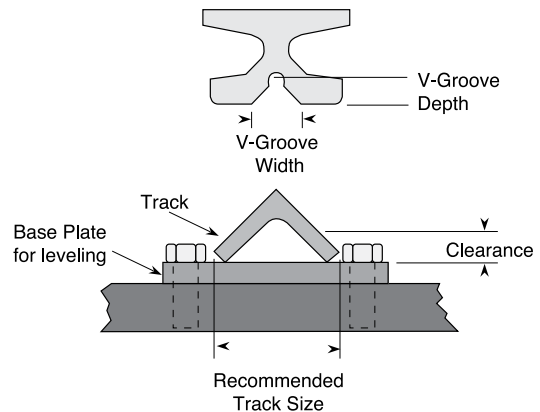
## Colson V-Groove Wheels • Capacity up to 6000 lbs each

Wheel Dia.	Tread Width	Capacity Each (Pounds)	Bearing	Wheel Model Number	Wheel			Spanner Bushing		Thread Guard TG1: Metal	Weight (Pounds)
					Bearing Bore	Bore Less Bearing	Hub Length	Bore	Length		
4"	2"	800	Delrin	5.00004.731	3/4"	13/16"	23/16"	1/2"	27/16"	TG1: 57852.07	37/8
			Roller	5.00004.739	3/4"	13/16"	23/16"	1/2"	27/16"		37/8
6"	2"	1200	Delrin	5.00006.731	3/4"	13/16"	23/16"	1/2"	27/16"	-	61/4
			Roller	5.00006.739	3/4"	13/16"	23/16"	1/2"	27/16"	-	61/4
	2 1/2"	2500	Delrin	7.00006.761	1"	1 15/16"	3 1/4"	3/4"	3 1/2"	-	9 1/4
			Roller	7.00006.769	1"	1 15/16"	3 1/4"	3/4"	3 1/2"	-	9 1/4
	3"	6000	Roller	7.00006.789*	1"	27/16"	3 1/4"	3/4"	3 1/2"	-	20
8"	3"	2500	Delrin	7.00008.771	1"	1 15/16"	3 1/4"	3/4"	3 1/2"	-	13 1/2
			Roller	7.00008.779	1"	1 15/16"	3 1/4"	3/4"	3 1/2"	-	13 1/2

\*The 6" x 3" V-Groove wheel is forged steel. All other models are cast iron.

Wheel Dia.	Tread Width	V-Groove Width	V-Groove Depth	Recommended Track Size	Clearance
4"	2"	3/4"	3/8"	1 1/2" x 1 1/2"	13/16"
6"	2"	3/4"	3/8"	1 1/2" x 1 1/2"	13/16"
	2 1/2"	3/4"	3/8"	1 1/2" x 1 1/2"	13/16"
	3"	1 3/8"	1 1/16"	2" x 2"	13/16"
8"	3"	3/4"	3/8"	2" x 2"	1 1/16"

Recommended track size and clearance dimensions are in the chart above. The base plate may be mounted directly to floor or to a cement grouting for leveling track if necessary because of uneven floor conditions.



## Wheel Options

- Delrin Bearing Less Bushing: Specify "WB01B".
- 1-Piece Delrin Bearing with Bushing (2" tread width): Specify "WB11".
- 1-Piece Delrin Bearing less Bushing (2" tread width): Specify "WB11B".
- Torrington style with Hytrel retainer (2" tread width): Specify "WB19".
- Roller Bearing less Bushing: Specify "WB09B".
- Roller bearing metal thrust & retainer washers: Specify "WSR1".
- Roller bearing sealed metal retainer washer: Specify "WSR3".
- Pedestal Precision Ball Bearing (PPBB): Available on 2" tread width wheels. To order change ninth digit in model number to "5" (Example: 5.00006.735). Also available in stainless steel, consult factory.